



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

१६/१२/२००१

सं. 51] नई दिल्ली, शनिवार, दिसम्बर 16, 2000 (अग्रहायण 25, 1922)
No. 51] NEW DELHI, SATURDAY, DECEMBER 16, 2000 (AGRAHAYANA 25 1922)

[इस भाग से मिलन पृष्ठ सेच्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 (PART III—SECTION 2)

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices Issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 16th December 2000

ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Mumbai, Delhi and Chennai having Territorial Jurisdiction on a Zonal basis as shown below :—

Patent Office Branch,
Todi Estates, IIIrd Floor,
Lower Parel (West),
Mumbai-400 013.

The States of Gujarat,
Maharashtra, Madhya
Pradesh and Goa and the Union
Territories of Daman and
Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"
Phone No. 482 5092
Fax No. 022 495 0622.

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana,
Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan,
Uttar Pradesh and Delhi and
the Union Territory of
Chandigarh.

Telegraphic address "PATENTOFIC"
Phone No. 578 2532
Fax No. 011 576 6284.

Patent Office Branch,
Wing 'C' (C4, A),
IIIrd Floor, Rajaji Bhawan,
Besant Nagar, Chennai-600 090

The States of Andhra Pradesh,
Karnataka, Kerala, Tamilnadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th & 7th
Floors, 234/4, Acharva Jagadish
Bose Road, Calcutta-700 002.

Rest of India.

Telegraphic address "PATENTS"
Phone No. 247 4401
Fax No. 033 247 3851

All applications, notices, statements or other documents
or any fees required by the Patents Act, 1970 and the Patents
(Amendment) Act, 1999 or the Patents Rules, 1972 as
amended by the Patents (Amendment) Rules, 1999 will be
received only at the appropriate offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be
sent by Bank Draft or Cheque payable to the Controller of
Patents drawn on a scheduled Bank at the place where the
appropriate office is situated.

पेटेंट कार्यालय
एकस्व तथा अभिकल्प
कलकत्ता, दिनांक 16 दिसम्बर 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार
 पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवैस्थित है
 तथा मुम्बई, दिल्ली एवं चैनल्स में इसके शाखा कार्यालय हैं,
 जिनके प्रादीपिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप
 प्रदीर्घत है—

पेटेंट कार्यालय शाखा, टॉडी इस्टेट,
 तीसरा तल, लोबर परले (प.),
 मुम्बई-400 013.

गुजरात, महाराष्ट्र, भूथ प्रदेश
 तथा गोवा राज्य क्षेत्र एवं यंत्र
 शासित क्षेत्र, दमन तथा दीव एवं
 दान्दर और नगर हवेली।

तार पता—“पेटेंटफिल्स”

फँच : 482 5092 फैक्स : 495 0622

पेटेंट कार्यालय शाखा,
 एकक स. 401 से 405, तीसरा तल,
 नगरानी भवन, ब्राजर भवन,
 यार्ड लाल बाह,
 मुम्बई-110 005.

हीरयाणा, हिमाचल प्रदेश, जम्मू
 तथा कश्मीर, पंजाब, राजस्थान,
 उत्तर प्रदेश, राजस्थान
 और लाने यंत्र शासित क्षेत्र छंडीगढ़।

तार पता—“पेटेंटफिल्स”

फँच : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,
 दिल्ली (सी-4, ए),
 तीसरा तल, राजार्जी भवन, बसन्त नगर,
 मुम्बई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
 तथा पण्डितरी राज्य क्षेत्र एवं
 संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
 तथा एमनिदिवि द्वीप।

तार पता—“पेटेंटफिल्स”

फँच : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय)
 निजाम पैलेस, दिवतीय बहुतलीय कार्यालय
 भवन 5, 6 तथा 7वां तल,
 234/4, आचार्य जगदीश वोम पार्क,
 कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”

फँच : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपर्युक्त
 सभी आवेदन, सूचनाएं, विवरण या जन्य दस्तावेज या कोई
 कोई पेटेंट कार्यालय के केवल समूच्चित कार्यालय में ही ग्रहण
 किये जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
 जहां उपयुक्त कार्यालय अवैस्थित है, उस स्थान के अन्तर्गत बैंक
 से नियन्त्रक को भुगतान योग्य बैंक ड्राइट अथवा चैक द्वारा भी
 जा सकती है।

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विविधेय

एकदम द्वारा यह सूचना दी जाती है कि संबद्ध बाधेनां में से
 किसी पर पेटेंट अन्तर्गत के विविध क्षेत्रों के इन्द्रिय व्यक्ति, इसके
 निर्गम की नियम से चार (4) महीने या अधिक ऐसी अवधि की
 उक्त चार (4) महीने की अवधि की समाप्ति के पर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रलिपि 4 पर जगर अलंकृत

ALTERATION OF DATE UNDER SECTION-16

185259 (2220/Cal/98) Ante dated to 12th September, 1995.

185260 (115/Cal/99) Ante ddated to 21st December, 1994.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

हैं, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियम एकस्वरुप उपयुक्त कार्यालय में ऐसे चिरांध की सूचना विभिन्न प्रकृति 7 पर दे सकते हैं। चिरांध संबंधी लिखित वकालत वा प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्स सूचना के हाथ या पट्टन (संशोधन) नियम, 1999 द्वारा संगीत्यित नियम-36 के तहत यथाविहीन उक्त सूचना की तिथि में 60 दिन के भीतर काढ़ल कर दिए जाने चाहिए।

प्रत्येक विनिदेश के संदर्भ में नीचे दिये गये करण, भारतीय बर्गीकरण तथा अन्तर्राष्ट्रीय बर्गीकरण के लिये हैं।

विनिदेश तथा चित्र आरबे, यदि कोई हो, को अंकित प्रतियों की आपूर्ति पट्टन कार्यालय या उसके द्वारा कार्यालयों से यथाविहीन काटा/प्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ और 30 रुपए की अदायगी पर की जा सकती है।

ऐसी परीक्ष्यत में जब विनिदेश की अंकित प्रति उपयोग नहीं हो, विनिदेश तथा चित्र आरबे, यदि कोई हो, की कार्य प्रतियों की आपूर्ति पट्टन कार्यालय या उसके द्वारा कार्यालयों से यथाविहीन काटा/प्रति शुल्क उक्त दस्तावेज के 10 रुपए प्रति पृष्ठ और 30 रुपए की अदायगी पर की जा सकती है।

Ind. Cl. : 179 G.

L 185251

Int. Cl. : B 67 D-5/62.

A HAND HELD SPRAYING DEVICE CAPABLE OF SPRAYING FLUIDS.

Applicant : KIMBERLY-CLARK WORLDWIDE, INC OF 401 NORTH STREET, NEENAH, WISCONSIN 54956 UNITED STATES OF AMERICA.

Inventor : GREGORY M. CLARK, STANLEY I. MASON, JR.

Application No. 803/Cal/95 filed on 14-7-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

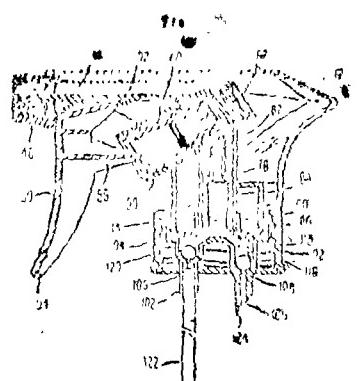
8 Claims

(a) A hand-held spraying device comprising a pump spray head (12) and a manifold (88, 92) for use with said head for allowing the spray head to draw simultaneously from a first reservoir (18) containing a first liquid and a second reservoir (16) containing a second liquid at a predetermined ratio characterised in that said device comprising :

(a) a lower housing (92) comprising a substantially disk-shaped member (94) with a first valve body socket (96) for said first liquid and a second valve body socket (98) for said second liquid projecting therefrom, each of said first valve body socket (96) and said second valve body socket (98) having an open end, an inlet orifice (100, 106), said open ends forming outlet ports opening into a mixing chamber;

(b) an upper housing (84) connected to said lower housing (92), said upper housing (84) enclosing said open ends thus forming a first check valve chamber from said second valve chamber from said second valve body socket (98) and a second check valve chamber from said first valve body socket (96);

(c) a biased check valve means (116, 118) residing within said first check valve chamber said biased check valve means presenting the pumping of the first reservoir (18) when the second reservoir (16) is spent.



Inventor :

GIANNI COLLINA,
TIZIANO DALL' OCCO,
MAURIZIO GALIMBERTI,
ENRICO ALBIZZATI,
LUCIANO NORISTI.

Application No. 1192/Cal/95 filed on 5-10-1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 CLAIMS.

Process for the polymerization of one or more olefins with the formula $\text{CH}_2=\text{CHR}$, in which R is hydrogen or an alky, cycloalkyl or aryl group having from 1 to 10 carbon atoms, characterized in that it comprises :

(A) a first stage of polymerization in which one or more of the said olefins are polymerized, in one or more reactors, in the presence of a catalyst comprising the product of reaction between an alkyl-Al compound and a solid component comprising a compound of a transition metal M selected from Ti and V, not containing M bonds, a halide of Mg in active form, to produce an olefin homo or copolymer;

(B) a treatment stage in which the product obtained in the first stage of polymerization (A) is, in any order whatever :

(a) brought into contact with a compound such as herein described capable of deactivating the catalyst present in the stage (A); and

(b) brought into contact with a compound of a transition metal M selected from Ti, Zr, V, or Hf containing at least one M- π bond and optionally with an alkyl-Al compound such as herein described;

(c) a second stage of polymerization in which one or more of the said olefins are polymerized, in one or more reactors, in the presence of the product obtained in treatment stage (B).

(Compl. Specn. : 44 Pages;

Drgns. : Nil Sheet)

Ind. Cl. : 157 D 3.

185256

Int. Cl.⁴ : E 01 B 25/00.

A LONGITUDINAL RAILWAY RAIL FOR A VEHICLE TRACK.

Applicant : ARTHUR ERNEST BISHOP OF 15C AVON ROAD, CORNER BARR STREET NORTH RYDE, NEW SOUTH WALES 2113 AUSTRALIA.

Inventor : ARTHUR ERNEST BISHOP.

Application No. 1271/Cal/95 filed on 19-10-95.

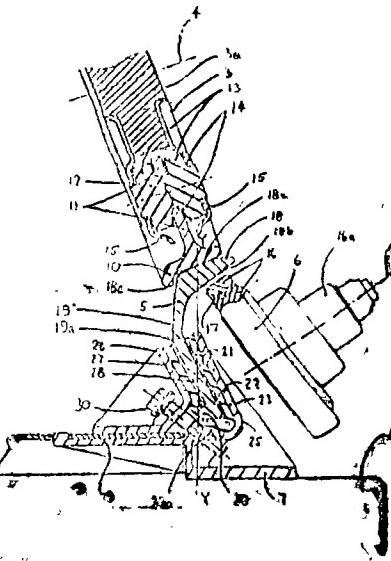
(Convention No. PM 8942 filed on 20-10-94 in Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A longitudinal railway rail (5) for a vehicle track said railway rail comprising a head portion (18) having a primary upper running face (18a) and a substantially vertical secondary running face (18c) adopted to engage respectively the periphery and flange of a vehicle wheel (3), characterised in that said head portion (18) has a lower guide face (18b) opposed to said primary upper running face (18a) adapted to engage the periphery of a vehicle grip wheel (6) and a leg portion (19) extending downwardly from said head portion (18) substantially adjacent to said secondary running face (18c) and adapted to be supported by a support member (7).

said primary upper running face (18a) and said lower guide face (18b) of said head portion (18) being inclined to each other.



depositing an elastic layer (260), made of the same material as the supporting member (224), on top of the supporting members (224) and the thin film sacrificial layer (226);

forming an appropriate number of conduits (222), each of the conduits (222) extending from top of the elastic layer (260), passing through the supporting member, to top of a corresponding connecting terminal (214);

forming a second thin film layer made of an electrically conducting material on top of the elastic layer (260) and the conduits (222);

depositing a thin film electrodisplacive layer on top of the second thin film layer;

patterned the thin film electrodisplacive layer and the second thin film layer, respectively, into an array of $M \times N$ thin film electrodisplacive members (275) and second thin film electrodes (245) so that each of the thin film electrodisplacive members (275) and the second thin film electrodes (245) is formed on top of the supporting members (224) with the elastic layer (260) intervening therebetween wherein each of the thin film electrodisplacive members (275) and the second thin film electrodes (245) has side surfaces;

depositing an insulating layer (290), made of a second insulating material, on top of each of the thin film electrodisplacive members (275) and the elastic layer (260) including the side surfaces of each of the thin film electrodisplacive members (275) and the second thin film electrodes (245);

patterned the insulating and the elastic layers (290, 260), respectively, into an array of insulating and elastic members (295, 265) until the thin film sacrificial layer (226) is exposed;

removing the thin film sacrificial layer (226) to thereby form an array of $M \times N$ semifinished actuators (299), wherein in each of the semifinished actuators (299) is provided with a driving space (228);

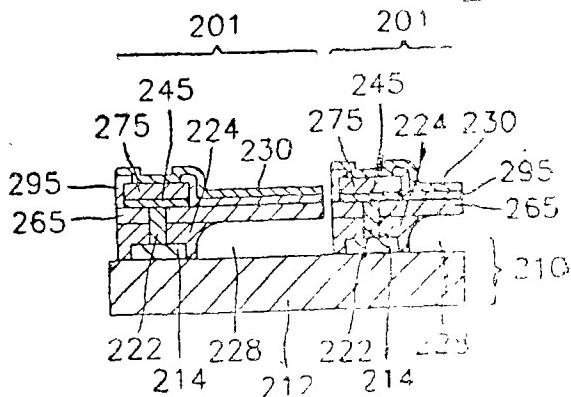
forming a photoresist layer (280) on top of the array of $M \times N$ semifinished actuators (299), the photoresist filling in completely the driving spaces (28) thereof;

removing portions of the photoresist layer (280) and the insulating member (295) formed on top of the thin film electrodisplacive member (275) in each of the semifinished actuators (299) by using a photolithography method;

removing portions of the photoresist layer (280) on top of each of the insulating members (295) and the photoresist filling in the driving spaces (28) by using a plasma etching method, to thereby form an array (297) of $M \times N$ semifinished actuated mirrors (298); and

forming a first thin film electrode (230) made of an electrically conducting and light reflecting material on top of each of the semifinished actuated mirrors (298) to thereby form the array (200) of $M \times N$ thin film actuated mirrors (201).

FIG. 2



(Compl. Specn. : 22 Pages)

Drgns. : 11 Sheets)

Ind. Cl. : 40 A1.

185258

at Cl. : B 01 D 46/14.

WET EXHAUST GAS TREATMENT APPARATUS.

Applicant : TOYO ENGINEERING CORPORATION OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : KENICHI NAKAGAWA.

Application No. 235/Cal/96 filed on 9-2-96.

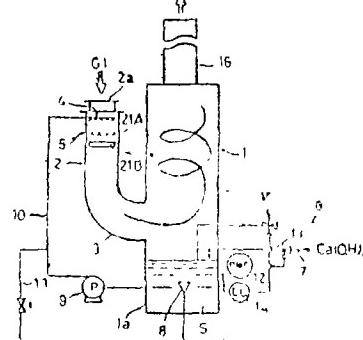
(Convention No. 266448/1995 filed on 19-9-95 in Japan).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

Wet exhaust gas treatment apparatus having an absorption tower (2) where exhaust gas (G1) is continuously introduced thereto and a treating fluid (10) containing an alkaline agent is injected from a nozzle (4) so as to flow in parallel with the exhaust gas (G1) and thereby bring the alkaline agent into contact with the exhaust gas (G1), characterized in that, in a position upstream of and close to said nozzle (4), a plurality of parallel flow promoting member (22) having surface regions sloping toward the downstream side of the direction of parallel flow are juxtaposed in a direction perpendicular to the direction of parallel flow with a predetermined gap left therebetween each of said parallel flow promoting members (22) being removably supported on a supporting rod (23) disposed within said absorption tower (2) so as to be able to swing in the direction of juxtaposition.

FIG. 1



(Compl. Specn. 24 Pages;

Drgns. 6 Sheets)

Ind. Cl. : 26.

185259

Int. Cl. : A 46 B 5/00.

TOOTHBRUSH WITH A ONE PIECE, PLASTIC INJECTION MOULDED BRUSH BODY.

Applicant : CORONET-WERKE GMBH, OF POSTFACH 1180, 69479 WALD-MICHELBACH, GERMANY.

Inventor : GEORG WEITRAUCH.

Application No. 2220/Cal/98 filed on 28-12-98.

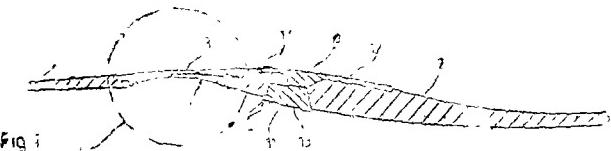
(Divided out of No. 1096/Cal/95 antedated to 12-09-95).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

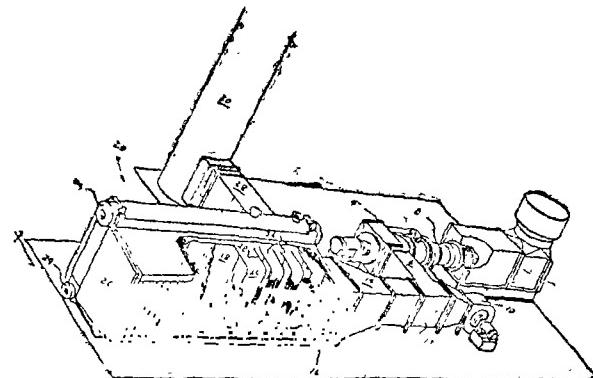
Toothbrush with a one-piece, plastic injection moulded brush body, comprising a substantially rigid head receiving the bristles, a substantially rigid handle and a tapered neck

connecting them, which has a spring part made from a material with a higher modulus of elasticity than the plastic of the bristle body, characterised in that the spring part (4) is made from plastic and partly envelops the plastic of the brush body, accompanied by the formation of the neck (3).



(Compl. Specn. 12 Pages:

Drgns. 2 Sheets)



(Compl. Specn. 25 Pages:

Drgns. 8 Sheets)

Ind. Cl. : 176 L

185260

Int. Cl. : F 22 B 37/10.

A BOILER ASSEMBLY FOR USE WITH A GAS TURBINE.

Applicant : THE BABCOCK & WILCOX COMPANY OF 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : RICHARD C. VETTERICK.

Application No. 115/Cal/99 filed on 15-2-99.

(Divided out of No. 1069/Cal/94 antedated to 21-12-1994).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A boiler assembly for use with a gas turbine having a gas turbine exhaust, comprising :

a package boiler having a furnace space (18) and an entrance thereto for receiving hot exhaust gases from a gas turbine (2);

an inlet duct (12) connecting the furnace space (18) and the gas turbine (2) for providing the exhaust gases to the furnace space (18);

a multi-nozzle burner (MNB) array (16), connected to the furnace space (18) at the entrance, having a plurality of columns and rows of burner nozzles (32) spaced thereacross for providing fuel into the furnace space (18) so as to produce an evenly distributed, substantially horizontal combustion flame within the furnace space (18), the MNB array (16) being connected to the inlet duct (12) so that exhaust gases from the gas turbine (2) flow through the MNB array (16) and past the plurality of burner nozzles (32) into the furnace space (18); and

a forced draft fan (10) connected to the inlet duct (12) upstream of the MNB array (16) for supplying combustion air through the MNB array (16) and past the plurality of burner nozzles (32) to mix with the fuel provided by the burner nozzles (32) and produce the combustion flame.

Ind. Cl. : 50E2.

185261

Int. Cl. : F25B 1/00.

AN IMPROVED REFRIGERATION UNIT FOR COLD ROOMS USEFUL FOR STORING TEMPERATURE SENSITIVE GOODS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :

- 1: PIARA SINGH PARTI—INDIA
- 2: SARATH BABUNALAM—INDIA

Application for Patent No. 100/Del/92 filed on 10th Feb., 92.

Complete left after Provisional Specification filed on 07-05-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

2 Claims

An improved refrigeration unit for cold rooms useful for storing temperature sensitive goods, which comprises a known refrigeration unit consisting of a compressor (C), a condenser (CD), a receiver (R) and an expansion device (EX), characterised in that the outlet of the said expansion device being connected to one end of tubing of an evaporator unit (EV) consisting of a plurality of parallel metallic plates having tubing bonded to its surface, the other end of the evaporator unit tubing being connected to the inlet of the said compressor (C), the said evaporator unit being placed inside an insulated chamber consisting of four removably fixed sections having air tight joint's, one section being a sump tank (T) at the bottom of the said chamber, spray pump (P) being provided for uniform spraying of water over the said evaporator in the second section of the chamber above the tank, the third section being a particle eliminator (E) being fixed inside the enclosure above the said evaporator unit, the top open end of the said chamber being the fourth section and provided with a blower fan (F) blowing cold air into the room to be cooled inlet of the said sump tank (T) being connected to draw out air out of the cold room, the said blower (F), pump (P) and the compressor (C) connected to electrical power source through on/off switch.

(Prov. Specn. : 4 Pages:

Drgn. : Nil Sheet)

(Compl. Specn. : 7 Pages:

Drgn. : 1 Sheet)

Ind. Cl. : 108 B₂ (b) +C₈+4.

185262

Int. Cl.⁴ : C 21 B, 13/02.**APPARATUS USED IN PLANT FOR THE PRODUCTION OF PIG IRON OR STEEL PRE-MATERIAL.**

Applicant : VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH, AN AUSTRIAN COMPANY, OF TURMSTRASSE 44, A-4020 LINZ, AUSTRIA.

Inventor(s) :

1. WERNER-LEOPOLD KEEPLINGER—AUSTRIA
2. ROLF HAUKE—GERMANY
3. VULETIC BOGDAN—GERMANY
4. FELIX WALLNER—AUSTRIA
5. WALTER RAINER KASTNER—AUSTRIA

Application for Patent No. 110/Del/92 filed on 11-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

An apparatus used in plant for the production of pig iron or steel prematerial, said apparatus having :

a direct-reduction shaft furnace (1) comprising a charging substance supply duct (3) for lumpy iron ore, at least one feed duct (7) for a reducing gas with a valve (22) located therein, such as a butterfly valve, as well as at least one duct (20) for the reduction product formed therein and a discharge duct (21) for top gas formed therein, and

a meltdown gasifier (6) into which the duct (20) supplying the reduction product from the direct-reduction shaft furnace (1) enters and which comprises feed ducts (9) to (13) for oxygen containing gases and carbon carriers as well as a feed duct (7) ending the direct-reduction shaft furnace (1) and provided for reducing gas formed therein, as well as taps (18) for pig iron and slag (17), characterised in that

the meltdown gasifier (6) is provided with at least one heat-up burner comprising a supply means for combustion gas.

(Compl. Specn. : 11 Pages;

Drgns. : 3 Sheets)

Ind. Cl. : 70 C 4, 5, 6.

185263

Int. Cl.⁴ : C 25 C 1/00, 3/00.**ELECTROLESS DEPOSITION OF COPPER ON PTFE ARTICLES.**

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Inventor(s) :

1. VENKATARAMAN SUNDARARAJAN—INDIA
2. VENKATSUBRAMANIAN SIVASUBRAMANIAN—INDIA
3. BALASUBRAMANIAN VISWANATHAN—INDIA
4. VEMURI RAMAKRISHNAMURTHY—INDIA
5. KANAKKAPPILLAVILA CHINNAYYA JAMES RAJU

Application for Patent No. 150/Del/92 filed on 24-2-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the electroless deposition of copper on Polytetrafluoroethylene (PTFE) articles for microwave application comprising pre conditioning said articles by the step of etching in the mixture of sodium hydroxide acetone and water, treating the etched articles with sensitization agent and activating agent as herein described and then finally introducing the activated article into a copper electroless bath

comprising a first solution of CuSO₄ 5H₂O and CH₃O mixed with a second solution of NaK tartrate and NaOH and a third solution of Na₂CO₃, for deposition of copper thereon.

(Compl. Specn. : 7 Pages;

Drgns. : 2 Sheets)

Ind. Cl. : 144 E

185264

Int. Cl.⁴ : E 04 F, 21/02**A COATING COMPOSITION.**

Applicant : ALCAN INTERNATIONAL LIMITED, A CANADIAN COMPANY, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC H3A 3G2, CANADA.

Inventors :

- GEOFFREY PHILIP MARKS, ENGLAND.
WILLIAM FRANCIS MARWICK, ENGLAND.

Application for Patent No. 0177/Del/92 filed on 03-03-92.

Convention Application No. 9104402.4/U.K./01-03-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A coating composition suitable for application to a surface to improve the adhesion properties of the surface said coating composition comprising :

- (a) a binder which a tetraalkyl silicate or a monomeric or oligomeric hydrolysis product thereof;
- (b) an inorganic oxide below 25 nm primary particle diameter present in a proportion of 20—60% by weight of the non volatile content of the composition, both in dispersion in a fluid aqueous medium consisting of water;
- (c) optionally containing 0.1—30% by volume of a polar organic liquid at least partially miscible with water.

(Compl. Specn. 28 Pages;

Drgns. Sheet Nil)

Ind. Cl. : 40 B

185265

Int. Cl.⁴ : B 01 J 21/00+23/00.**AN IMPROVED PROCESS FOR THE PREPARATION OF VANADIUM TITANIUM CATALYST USEFUL FOR PREPARING 2-CYANOPYRAZINE.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

- POTHARAJU SEETHARAMAN JANEYA SAI PRASAD, INDIA.
VATTIKONDA VENKAT RAO, INDIA.
KAMARAJU SEETHA RAMA RAO, INDIA.
NAKKA LINGAIAH, INDIA.
PANJA KANTA RAO, INDIA.
ALLA VENKATA RAMA RAO, INDIA.

Application for Patent No. 191/Del/92 filed on 5-3-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of vanadium titanium catalyst useful for preparing 2-cyanopyrazine which comprises heating a mixture of V₂O₅ and TiO₂ in equimolar ratio of V₂O₅ ranging from 0.1 to 0.9 in the presence of air or oxygen and optionally in presence of conventional support material & conventional binder to a temperature in the range of 500—1300°C.

(Compl. Specn. 8 Pages;

Drgns. Sheet Nil)

Ind. Cl. : 32 E. 185266

Int. Cl.⁴ : C 08 G 69/14.

A PROCESS FOR THE MANUFACTURE OF COPOLYMERS OF CAPROAMIDE.

Applicant : SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LTD., JAYKAY-NAGAR, KOTA-34003 (RAJ.) INDIA.

Inventors :

1. NARESH DUTTA SHARMA—INDIA
2. BOMMU VENTATESHWARA RAO—INDIA
3. LALIT CHAND SHARMA—INDIA.

Application for Patent No. 478/Del/92 filed on 4-6-92.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the manufacture of copolymer of caproamide having improved moisture absorption and antistatic properties comprising adding polyethylenoxide diamine of 600—20000 molecular weight to the caprolactam contained in the polymerizing vessel in the ratio of 2:45 weight by weight respectively and subjecting said mix to the step of polymerization in the presence of 0.4 to 20% water catalyst and/or additives as herein described at the temperature of 230—290° under atmospheric and/or reduced pressure to get copolymer of caproamide.

(Compl. Specn. 20 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 128 A. 185267

Int. Cl.⁴ : A 61 F 13/18 & A 41 B 13/02.

A UNITARY DISPOSABLE ABSORBENT ARTICLE.

Applicant : THE PROCTER & GAMBLE CO., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors :

1. KENNETH BARCLAY BUELL
2. SANDRA HINTZ CLEAR &
3. DANNIELIA THREASE FALCONE (US).

Application for Patent No. 496/Del/92 filed on 11-6-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

A unitary disposable absorbent article, having a first waist region (56), a second waist region (58), end edges (64) and longitudinal edges (64), comprising :

a containment assembly (22) consisting a liquid previous topsheet (24), a liquid impervious backsheets (26) joined with said topsheet and an absorbent (28) core positioned between said topsheet and said backsheets (26), said absorbent core having side edges (82) and waist edges (83),

wherein an elastic waist feature (34) atleast extending longitudinally outwardly from one of said waist edge of said absorbent core, said elastic waist feature comprising an elasticized (35) waistband comprising :

- (i) a shaping panel zone being elastically extensible in at least the lateral direction,

(ii) a waistline, (28) panel zone resiliently flexurally joined with said shaping panel zone, said waistline panel zone being elastically extensible in at least the lateral direction, and

(iii) a predisposed, resilient, waistband flexural hinge zone (150) joining said shaping panel zone and said waistline panel zone for allowing relatively flexural bending between said shaping panel zone and said waistline panel zone, said waistband flexural hinge zone having a bending flexure restoring force greater than 20 grams, and the means for applying the extension forces of said elasticized waistband less than or equal to 400 grams at extensions of between 25mm and 50mm.

a closure assembly disposed on the absorbent article for creating/maintaining lateral tension through at least a portion of said elasticized waistband.

(Compl. Specn. 92 Pages;

Drgns. 15 Sheets)

Ind. Cl. : 55 A, 55 F 189. 185268

Int. Cl.⁴ : A 61 K—7/16.

A LINEAR VISCOELASTIC DENTIFRICE COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

Inventor(s) :

1. MICHAEL PRENCIPE—U.S.A.
2. GARY A. DURGA—U.S.A.

Application for Patent No. 655/Del/92 filed on 24th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A linear viscoelastic dentifrice composition having a pH of 4 to 9 comprising :

- (a) an orally acceptable water/humectant vehicle comprising 6% to 5% by weight of water and 20% to 70% by wt. of humectant;
- (b) 50% to 70% by wt of a dental polishing agent;
- (c) 0.02% to 5% by wt. of a synthetic linearly viscoelastic crosslinked polymeric thickening agent comprising from 0.01% to 30% by wt of the total cross-linked polymer of a cross-linking agent; said thickening agent having in a 1 wt. % aqueous solution an elastic or storage modulus G' and a viscous or loss modulus G" substantially independent of frequency in an applied frequency range of 0.1 to 100 radians/sec. a G' minimum value of 1,000 dynes/Sq. cm which varies less than 1 order of magnitude of its original value, and a ratio of G"/G' ranging from more than 0.05 to less than 1; and
- (d) optionally, 0.4 to 3 parts of xanthan gum or carboxymethyl cellulose per part of the cross-linked polymeric thickening agent.

(Compl. Specn. : 29 Pages;

Drgn. : Nil Sheet)

Ind. Cl. : 172 B.

185269

Int. Cl.⁴ : A 41 D—1/22.

AN ABSORBENT ARTICLES.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE, PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) :

1. THOMPSON, HUGH ANSLEY—U.S.A.
2. YOUNG, GERALD ALFRED—U.S.A.
3. OSBORN III, THOMAS WARD—U.S.A.
4. CHAPPELL, CHARLES WILBUR—U.S.A.
5. HAMMONS, JOHN LEE—U.S.A.
6. HORNEY, JAMES CAMERON—U.S.A.
7. HINES, LEE MARGIE—U.S.A.
8. KARAPASHA, NANCY (NMN)—U.S.A.
9. KRAUTTER, EDWARD HERMAN—U.S.A.
10. VINNAGE, WILLIAM ROBERT—U.S.A.
11. JOHNSON, THERESA LOUISE—U.S.A.

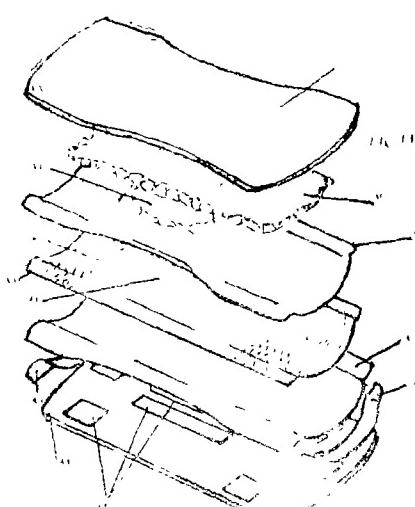
Application for Patent No. 657/Del/97 filed on 27th July 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

12 Claims

An absorbent article, comprising :

- (a) A fluid permeable non-fibrous or fibrous formed film topsheet having a fluid-receiving front face and back face, said topsheet having multiple openings communicating between said front face and said back face for passage of fluid through said topsheet;
- (b) a layer comprising fibers having external intrafiber capillary channels whose channel widths, on average, are less than the width of the openings in said topsheet, underlying the back face of said topsheet and in fluid transporting contact;
- (c) a fibrous air laid or wet-laid moisture-absorbing structure underlying said layer and in fluid-transferring contact therewith, comprising multiple fibers with absorbent gelling materials, wherein on average, the width of the spacings between said multiple fibers in the moisture-absorbing structure is less than the width of the capillary channels in the fibers of said layer; and
- (d) a fluid impermeable backsheets underlying said layer.



(Compl. Specn. : 52 Pages)

Drgns. : 6 Sheets)

Ind. Cl. : 32 F, C.

185270

Int. Cl.⁴ : A 62 D 1/00, C 07 C 33/00.

A PROCESS FOR THE PREPARATION OF TETRABROMOBISPHENOLA.

Applicant : SHIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, AN INDIAN INSTITUTE OF 19 UNIVERSITY ROAD, DELHI-110 007, INDIA, REGISTERED UNDER SOCIETIES ACT.

Inventors :

1. MOHAMMAD QAMAR PARWEZ—INDIA.
2. RAJESH KUMAR RAINA—INDIA AND
3. DATTAPRASAD ACHYUT—INDIA.

Application for the Patent No. 665/Del/92 filed on 27th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of tetrabromobisphenol-A comprising preparing adding bisphenol-A to methanol in the molar ratio of 1:20 to 1:25, cooling said mix to a temperature of 0–15°C, adding bromine dropwise thereto in the ratio of 1:4-6 for bromination thereof, maintaining thereafter the temperature of the reaction between 65 to 85°C for a period of 1 to 4 hours to obtain terabromobisphenol-A (TBBA) and then removing the same by any known method from the reaction mix followed by washing and drying of said TBBA.

(Compl. Specn. 6 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 32 F 2 a.

185271

Int. Cl.⁴ : C 08 F 2/58, 12/28.

AN IMPROVED PROCESS FOR THE SYNTHESIS OF CONDUCTING POLYANISIDINE IN DOPED FORM.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

1. SUNDEEP KUMAR DHAWAN &
2. DINESH CHANDER TRIVEDI (INDIA).

Application for Patent No. 1017/Del/90 filed on 16th Oct. 1990.

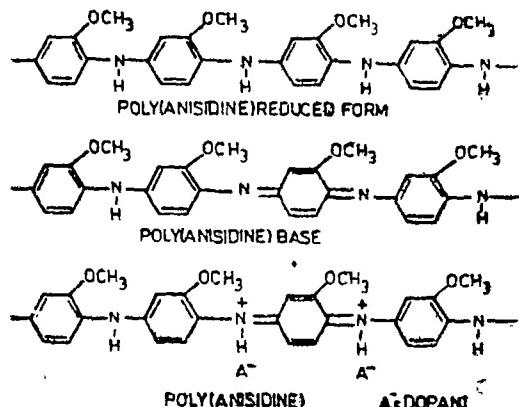
Complete left after Provisional Specification filed on 5-9-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An improved process for the synthesis of poly-(anisidine) in doped form which comprises mixing O-methoxy aniline with an aqueous solution of aromatic organic acid or H_2SO_4/HBF_4 , temperature of 3-6°C, adding aqueous solution of ammonium persulphate dropwise and stirring the reaction mixture for a period of 4-6 hours, the polymer so obtained is filtered, washed with distilled water, treating with aqueous ammonia with constant stirring, again filtering and drying under vacuum which yields a base form of the polymer poly (anisidine), reating with the organic acid or mine-

ral acid yields a conducting polymer polyamisidine in its doped form.

**FIGURE 1**

(Prov. Specn. 10 Pages;
(Compl. Specn. 12 Pages;

Drng. Sheet Nil)
Drng. Sheet 1)

Ind. Cl. : 116 G.
Int. Cl. : A 45 C 13/38.

185272

LUGGAGE HANDLING DEVICE.

Applicant : MISS SMITA DUA, 36, DIAMOND DAIRY COLONY, KABIR MARG, LUCKNOW-226 001.

Inventors :

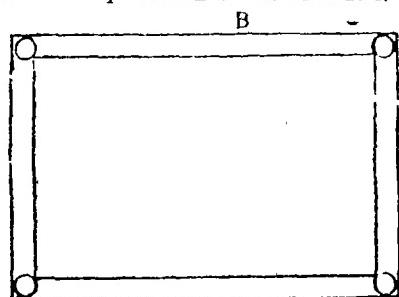
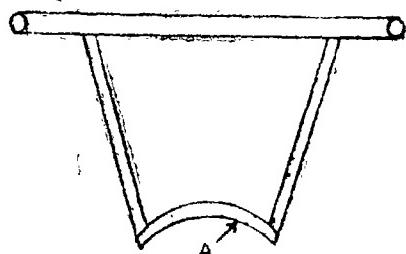
MISS SMITA DUA, 36, DIAMOND DAIRY COLONY, KABIR MARG, LUCKNOW-226 001.

Application for Patent No. 425/Del/91 filed on 17-5-91.
Complete left after Provisional 23-6-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

1 Claim

A luggage handling device comprising a rectangular frame frame B attached to vertical rods having enough length to keep the frame a little above the head, the other ends of the said rods attached to arched shoulder rests with cushioned inner surface for the protection of the shoulders.

**PLAN (FIG -1)****ELEVATION (FIG-2)**

(Compl. Specn. 5 Pages;

Drng. Sheet 1)

Ind. Cl. : 2 A₁

185273

Int. Cl. : G 09 F—19/10

A PROCESS FOR THE PREPARATION OF ZEBRA CONNECTORS USEFUL FOR ELECTRONIC DISPLAYS EMPLOYING CONDUCTING COMPOSITES OF POLY-NILINE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :

SUNDEEP KUMAR DHAWAN—INDIA,
KANNAMANGALAM RAMASWAMI RAMA-
KRISHNAN—INDIA AND
DINESH CHANDRA TRIVEDI—INDIAN.

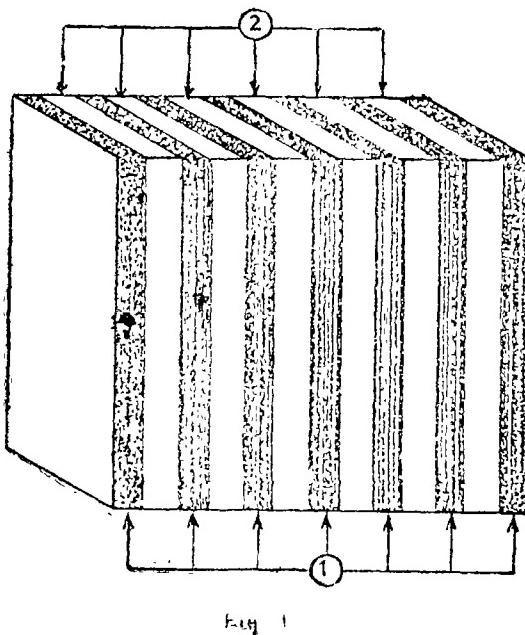
Application for Patent No. 595/Del/91 filed on 04th July, 1991.

Complete left after provisional specification filed on 15-5-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of zebra connectors useful for electronic displays employing conducting composites of polyniline which comprises pressing alternate layers of conducting polyaniline composites as here in defined with the insulating flexible materials incorporating between these said two layers adhesive pastes for proper adhesion.



(Provisional Specification : 5 Pages; Drawing Sheet : 1)
(Compl. Specn. : 6 Pages; Drwng. Sheet : Nil)

Ind. Cl. : 62 E

185274

Int. Cl. : C 11 D, A 47 5/00

"LIQUID DETERGENT COMPOSITIONS".

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

(Compl. Specn. 5 Pages;

Drng. Sheet 1)

Inventor(s) :

JULIE ANNE DYET—U.S.A.
PETER ROBERT FOLEY—U.S.A.

Application for Patent No. : 0913/Del/91 filed on 26-09-91.

Convention Application No. : 9021217.6/U.K. /28-09-90.

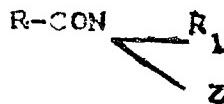
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A liquid or gel-form detergent composition in the form of a stable aqueous solution comprising from 15% to 65% by weight of the composition of a core surfactant mixture, comprising by weight of the mixture,

(a) from 5% to 95% of at least one water-soluble anionic sulphate or sulphonate surfactant salt;

(b) from 95% to 5% by weight of the mixture of one or more compounds having the general formula



Wherein Z is a polyhydroxy hydrocarbyl moiety having a linear hydrocarbon chain with at least three hydroxy groups connected directly to the chain, said moiety being derived from glucose and mixtures thereof with maltose, the maltose comprising not more than 33% by weight of the mixture, R is saturated or unsaturated alkyl group of from 8 to 16 carbon atoms or a mixture of such groups and R₁ is a C₁-C₄ alkyl or C₂-C₄ hydroxalkyl group;

(c) and the balance being conventional surfactant mixture whereby a 0.12% by weight aqueous solution of the surfactant mixture of said composition, in water of 2° Clark mineral hardness (Ca:Mg ratio of 3:1) and temperature of 48°C has (i) a spinning drop interfacial tension (IFT) of less than 0.2 Pa cm using a triolein soil of 99.7% purity; (ii) a greasy soil removal value in the polypropylene Cup (PPC) Test of greater than 1.3 x the value obtained in the same test under the same conditions using a 0.12% solution of the anionic surfactant component(s) alone.

(Compl. Specn. : 31 Pages; Drwng. Sheet : Nil)

Ind. Cl. : 83 A

185275

Int. Cl. : A23J 1/00, 1/06

A PROCESS FOR THE PREPARATION OF A FORMULATION USEFUL FOR THE DETECTION AND ESTIMATION OF PROTEINS PRESENT IN BIOLOGICAL FLUIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

PURSHOTTAM DAS GUPTA, INDIA.
ABDUL LATHEEF ABDUL WAHEED, INDIA.

Application for Patent No. 1527/Del/96 filed on 11-07-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of a formulation useful for the detection and estimation of protein which comprises mixing 0.0001 to 0.04% water soluble an anionic xanthene dye with absorption maximum wavelength 514 nm with an acid such as here in described to get a pH in the range of 1.0 to 6.0.

(Compl. Specn. 18 Pages;

Drgn. Sheet Nil)

Ind. Cl. : 32 F, 55 E

185276

Int. Cl. : A 61 K - 31/00

A PROCESS FOR THE PRODUCTION OF AMORPHOUS [(R-(R*, R*))-2-(4-FLUOROPHENYL)-β-DIHYDROXY-5-(1-METHYLETHYL)-3-PHENYL-4-(PHENYLAMINO) CARBONYL]-1H-PYRROLE-1-HEPTANOIC ACID HEMI CALCIUM SALT AND HYDRATES THEREOF.

Applicant : WARNER-LAMBERT COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

Inventors :

MIN LIN, U.S.A.
DIETER SCHWEISS, U.S.A.

Application for Patent No. 1579/Del/96 filed on 16th July, 1996.

Convention Application No. 60/001, 453/USA/17-07-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A process for the preparation of amorphous [R-(R*, R*)]-2-(4-fluorophenyl)-β, α-dihydroxy-5-(1-methylethyl)-3-phenyl-4-(phenylamino carbonyl)-1H-pyrrole-1-heptanoic acid hemi calcium salt and hydrates thereof which comprises :

- (a) dissolving crystalline Form I atorvastatin in a non-hydroxylic solvent of the kind such as herein described; and
- (b) removing the solvent by drying in a manner such as herein described to afford amorphous [R-(R*, R*)]-2-(4-fluorophenyl)-β, α-dihydroxy-5-(1-methylethyl)-3-phenyl-4-(phenylamino carbonyl)-1H-pyrrole-1-heptanoic acid hemi calcium salt.

(Compl. Specn. 14 Pages;

Drgns. 3 Sheets)

Ind. Cl. : C07C-67/00, 69/00

185277

Int. Cl. : 32F, 3(a)

AN ENZYMATIC PROCESS FOR THE PREPARATION OF OPTICALLY PURE ISOMERS OF ETHYL 2, 3-DIHYDROXY-3-(4-METHOXYPHENYL) PROPAANOATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

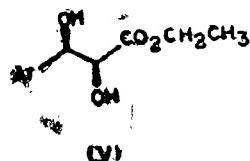
DESAI SHRIVALLABH BALWANT, INDIA.
ARGADE NARSHINHA PANDITRAO, INDIA AND
GANESH KRISHNA NAGAPPA, INDIA.

Application for Patent No. 2738/Del/96 filed on 10th Dec., 96.

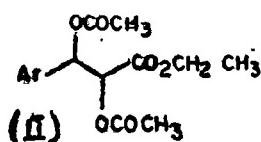
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

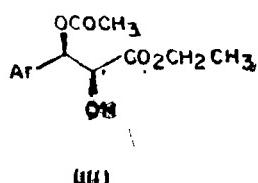
An enzymatic process for the preparation of optically pure isomers of Ethyl 2, 3-dihydroxy-3-(4-methoxyphenyl) Propionate having formula (V)



which comprises stirring a mixture of (+)-three-Ethyl 3-(4-methoxyphenyl)-2, 3-diacetoxypropaneate of the formula (II)



in an organic solvent and a suspension of lipase in buffer, at a pH in the range of 3-10 for a period ranging from 48 to 200 hours at temperature in the range of 20°C to 40°C, filtering the reaction mixture and extraction the aqueous layer with organic solvent, washing with water, followed by washing with bicarbonate/carbonate solution and water, and then by brine, chromatographically eluting the (2S, 3R)- and (2R, 3S) enantiomers of the formula (III)



where R=H or COCH3, using mixture of solvents, then deacetylating in presence of a base in polar solvent, and isolating the (2S, 3R)- and (2R, 3S)-diol of the formula (V) by solvent extraction method.

(Compl. Specn. 10 Pages;

Drgn. 1 Sheet)

Ind. Cl. : 55E

185278

Int. Cl. : A 61K-31/00

A PROCESS FOR THE PREPARATION OF AN ORAL PHARMACEUTICAL COMPOSITION CONTAINING QUINOLONE ANTIBACTERIAL AGENTS.

Applicant : RANBOXY LABORATORIES LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 OF 19, NEHRU PLACE, NEW DELHI-110019, INDIA.

Inventors :

SANJEEV SETHI, INDIA.
HIMADRI SEN, INDIA.

Application for Patent No. 1237/Del/97 filed on 13-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

14 Claims

A process for the preparation of an oral pharmaceutical composition comprising :

- (a) A therapeutically effective amount of quinolone antibacterial agent, as herein described, or its pharmaceutically acceptable salt;
- (b) An aqueous phase emulsified in an oil phase with the help of one more emulsifier(s) and/or suspending agent(s), such as herein described, such that a water in oil emulsion is formed; and
- (c) An effective amount of taste masking pharmaceutically acceptable excipients, such as herein described, to provide a palatable taste to the said composition.

Compl. Specn. 12 Pages;

Drgn. Sheet 1.

Ind. Cl. : 55D1

185279

Int. Cl. : A 01N 65/00 & A 01K 61/00

AN IMPROVED PROCESS FOR THE ISOLATION OF SAPONINS FROM MAHUA OIL CAKE (MADHUCA LATIFOLIA) USEFUL IN FISH AQUACULTURE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

SANTOSH KUMAR AGARWAL, INDIA.
MOHAMMAD SHAFIQ SIDDIQUI, INDIA.
SUSHIL KUMAR, INDIA.

Application for Patent No. 1257/Del/97 filed on 13-5-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

An improved process for isolation of saponins from Mahua oil cake (Madhuca latifolia) useful in fish aquaculture which comprises :

- (a) Macerating the defatted powdered Mahua cake with polar solvent, concentrating the extract, then
- (b) Precipitating the saponins from the extract using organic solvents such as ethyl methyl ketone, acetone, cyclohexanane, diethyl ether,
- (c) Filtering and drying to get the saponin.

Compl. Specn. 7 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 32A2

185280

Int. Cl. : C09B-23/00

AN IMPROVED PROCESS FOR THE EXTRACTION OF BETA CYANIN DYE FROM BETA VULGARIS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

SHRI NIWAS GARG, INDIA.
 SHARWAN KUMAR VERMA, INDIA.
 MADAN MOHAN GUPTA, INDIA.
 SUSHIL KUMAR, INDIA.

Application for Patent No. 1259/Del/97 filed on 13/5/97.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

An improved process for the extraction of betacyanin dye from Beta vulgaris which comprises chopping beet root, dipping in polar solvents such as ethyl alcohol, methyl alcohol, propyl alcohol or their mixture optionally in presence of water or acidic water, removing the solvent under vacuum at temperature 30–40°C to obtain dye containing betacyanin.

(Compl. Specn. 7 Pages;

Drgn. Nil Sheet)

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that GUALA PATENTS BV., Herengracht 548, 1017 CG Amsterdam, The Netherlands, a Dutch Company have made an application under Section 57 of the Patents Act, 1970, for amendment of application of their application for Patent No. 363/Mas/94 (184359) dated 3rd May 1994 for "A TEMPERPROOF CLOSURE FOR BOTTLES & THE LIKE". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 'C' wing (C-4 'A'), III floor, Rajaji Bhavan, Besant Nagar, Chennai-600090, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of Opposition on prescribed Form 14 within 3 months from the date of Notification at the Patent Office Branch, Chennai-90. If the written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

RENEWAL FEES PAID

181886 182414 176236 177384 173742 178711 180486 171801
 179431 178167 175594 179212 182630 178165 174875 174792
 174200 169066 171614 181094 180885 183601 168203 177224
 177782 178434 182336 182673 183562 183761 183795 183779
 182193 178603 183510 182282 169086 175763 174957 177205
 175216 179935 180969 182662 183501 183502 183503 183504
 183505 183507

PATENT SEALED NO 17-11-2000

181706 181867 183667 183788*D 183789*D 183790*D
 183847*D 183891 183893 183984 183895 183896*D
 183897*D 183898*D 183901 183903 183904 183907*D
 183908*D 183909*D 183910*D

CAL-09, DEL-07, MUM-01, CHEN-04.

Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 01. No. 180802, M/s. N. S. Steel Industries, Plot No. 10, Ishwar Nagar, Kot Mangal Singh, Tarn-Taran Road, Amritsar (Punjab), (India). "Karah (Bangle/Hoop/Bracelet)", 16 November 1999.

Class 01. No. 180804, Gurdip Cycle Industries, B-XXII-854, Link Road, St. No. 1, Dashmesh Nagar, Ludhiana, Punjab, India. "Rickshaw Brake Stirrup", 16 November 1999.

Class 01. No's. 181157 & 181158, Ingersoll Rand Company, a corporation under the laws of the state of New Jersey, U.S.A., 200 Chestnut Ridge Road, Woodcliff Lake, New Jersey 07675, U.S.A., "Impact Tool", 23 December 1999.

Class 01. No. 181834, Earl Bihari Pvt. Ltd., 146-F, St. Cyril Road, Bandra, Mumbai-400050, Maharashtra, India. "Sliding Window Latch", 8 March 2000.

Class 01. No. 181988, Joginder Singh Tejvinder Singh, Gill Road, Miller Ganj, Ludhiana (Pb.), India. "Paddles for Bicycles", 30 March 2000.

Class 01. No. 181989, Joginder Singh Tejvinder Singh, Gill Road, Miller Ganj, Ludhiana (Pb.), India. "Skel Eton for Paddle Bicycle", 30 March 2000.

Class 03. No. 179703, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "Party Susan", 16 June 1999.

Class 03. No. 179704, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A., of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "Mini Grater", 16 June 1999.

- Class 03. No's. 180806 & 180807, Pentel Kabushiki Kaisha, d.b.a Pentel Co. Ltd., a Japanese Corporation of 7-2, Nihonbashi koamicho, Chuo-Ku, Tokyo, Japan. "Ball-Point Pen", 16 November 1999.
- Class 03. 180805, IMP Irrigation Engineers, 36/8, Hara Chand Mukherjee Lane, Howrah-1, W.B., India. "Filter", 16 November 1999.
- Class 03. 180808 Pentel Kabushiki Kaisha, d.b.a. Pentel Co., a Japanese Corporation of 7—2, Nihonbashi Koamicho, Chuo-Ku, Tokyo, Japan. "Marking Pen", 16 November 1999.
- Class 03. No. 180809, Kotobuki & Co. Ltd., 13 Nishi Kurisu-cho, Shichiku, Kita-Ku, Kyoto-shi, Kyoto, Japan, a Japanese Company. "Writing Instrument" 16 November 1999.
- Class 03. No's 181091 & 181092, Ultra Pundir (India) Labs, C-56, South Extension-1, New Delhi-110049, India. "Siapenser", 17 December 1999.
- Class 03. No. 181155, Ingersoll-Rand Company, a corporation under the laws of the state of New Jersey, U.S.A., 200 Chestnut Ridge Road, Woodcliff Lake, New Jersey 07675, U.S.A., "Palm Sander", 23 December 1999.
- Class 03. No. 181968, APW Electronics Ltd., Electron Way, Chandlers Ford, Eastleigh, Hampshire SO53 4ZR, U.K., U.K. Company, "Set of corner moulding for cabinet top penel", reciprocity dated 28 September 1999 (U.K.).
- Class 03. No. 182079, TTK Prestige Ltd., Indian Company, 11th floor, Brigade Tower, 135 Brigade Road, Bangalore-560025, Karnataka, India. "Handle", 12 April 2000.
- Class 03. No. 182209, G. M. Pens International Ltd., Indian Company, 76 Janakpuri, Velachery Road, P. B. No. 1170, Guindy, Chennai-600032, Tamil Nadu, India. "Pen", 28 April 2000.
- Class 03. No. 182316 & 182817 Cavinkare Limited, Indian Company, 130, Peters Road, Chennai-600086, Tamil Nadu, India. "Sachet with pouring device", 7 July 2000.
- Class 03. No. 182928, Cavinkare Ltd., Indian Company, 130, Peters Road, Chennai-600086, Tamil Nadu, India. "Container", 18 July 2000.

H. D. THAKUR
Controller General of Patents, Designs & Trade Marks

